
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Chemclean Powder
- UFI: K6GV-9QUY-84AD-VX7A
- Product Part Number: C-CHEMCLE

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Brewing equipment cleaner
- Use advised against: Use only for the recommended application.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Chemisphere UK Ltd
- Address of Supplier: Unit 7 - 8, Severnside Trading Estate
Testilose Road
Trafford Park
Manchester
M17 1WA
- Telephone: +44 (0) 161 874 7200
- Responsible Person: Wilfred Worsley
- Email: safetydata@chemisphereuk.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 776 724 8499

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Acute Tox. 4, Skin Corr. 1B, STOT SE 3

2.2 Label elements



GHS05



GHS07

- Signal Word: Danger

Hazard statements

- H314 - Causes severe skin burns and eye damage.
- H302 - Harmful if swallowed.

Precautionary statements

- P102 - Keep out of reach of children.
- P405 - Store locked up.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P363 - Wash contaminated clothing before reuse.
- P270 - Do not eat, drink or smoke when using this product.

SECTION 2: Hazards identification (....)

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P315 - Get immediate medical advice/attention.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P313 - Get medical advice/attention.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P314 - Get medical advice/attention if you feel unwell.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P101 - If medical advice is needed, have product container or label at hand.

Supplemental Hazard information (EU)

Contains: Disodium carbonate, compound with hydrogen peroxide
Sodium metasilicate pentahydrate

None

2.3 Hazards identification**GHS05****GHS07**

- Not a PBT according to REACH Annex XIII

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Sodium metasilicate pentahydrate**

CAS Number: 10213-79-3

EC Number: 229-912-9

Concentration: 20 - 50%

Categories: Met. Corr. 1; Skin Corr. 1B; Eye Dam. 1; STOT SE 3

M factor:

Specific Concentration Limits: None assigned

Acute toxicity estimate:

REACH Registration Number: 01-2119449811-37

Symbols: GHS05,GHS07

H Statements: H290,H314,H335

Disodium carbonate, compound with hydrogen peroxide

CAS Number: 15630-89-4

EC Number: 239-707-6

Concentration: 20 - 50%

Categories: Ox. Sol. 3; Acute Tox. 4; Eye Dam. 1

M factor:

Specific Concentration Limits: None assigned

Acute toxicity estimate:

SECTION 3: Composition/information on ingredients (....)

Symbols: GHS03,GHS05,GHS07
H Statements: H272,H302,H318

Sodium carbonate

CAS Number: 497-19-8
EC Number: 207-838-8
Concentration: 20 - 50%
Categories: Eye Irrit. 2
M factor:
Specific Concentration Limits: None assigned
Acute toxicity estimate:
REACH Registration Number: 01-2119492545-29
Symbols: GHS07
H Statements: H319

Sodium dodecylbenzenesulphonate

CAS Number: 25155-30-0
EC Number: 246-680-4
Concentration: 1 - 10%
Categories: Skin Irrit. 2; Eye Dam. 1; Aquatic Chronic 3
M factor:
Specific Concentration Limits: None assigned
Acute toxicity estimate:
Symbols: GHS05
H Statements: H315,H318,H412

SECTION 4: First aid measures**4.1 Description of first aid measures**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

4.2 Most important symptoms and effects, both acute and delayed**Contact with eyes**

Causes severe burns
Risk of serious damage to eyes
May cause permanent damage if eye is not immediately irrigated.

Ingestion

Causes severe burns
Causes damage to the digestive tract if swallowed
Harmful if swallowed

Inhalation

Corrosive to the respiratory tract.

SECTION 4: First aid measures (....)

Can cause damage to the respiratory system
Harmful if inhaled.

Contact with skin

Corrosive to skin
Causes severe burns

4.3 Indication of any immediate medical attention and special treatment needed

- If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire
- In a fire this product will release oxides of carbon.

5.3 Advice for firefighters

- Wear chemical protection suit and breathing apparatus
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2 Environmental precautions

- Do not discharge into drains or the environment, dispose to an authorised waste collection point

6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal
- Flush spill area with copious amounts of water

6.4 Reference to other sections

- Wear protective clothing as per section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact with skin and eyes
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Do not mix with any other products
- Proper chemicals handling procedures should be adopted
- Handle and open container with care
- Ensure adequate ventilation
- Do not wear contact lenses when working with this material

SECTION 7: Handling and storage (....)

- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Keep locked up and out of reach of children
- Protect from sunlight.
- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Keep in a cool, dry, well ventilated place
- Incompatible with oxidizing substances
- Incompatible with acid

7.3 Specific end use(s)

- Cleaning of brewing equipment
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Sodium metasilicate pentahydrate**

DNEL (Industry; dermal, long term local effects): 1.49 mg/kg/day

DNEL (Industry; inhalational, long term local effects): 6.22 mg/m³

DNEL (oral): 0.74 mg/kg/day

Disodium carbonate, compound with hydrogen peroxide

DNEL (Industry; dermal, short term local effects): 12.8 mg/cm²

DNEL (Industry; inhalational, long term local effects): 5 mg/m³

DNEL (dermal): 6.4 mg/cm²

Sodium carbonate

DNEL (Industry; inhalational, long term local effects): 10 mg/m³

DNEL (Consumer; inhalational, short term local effects): 5 mg/m³

8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.

**Gloves****Goggles**

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: powder, white
- Odour: Odourless
- pH: >12
- Density: 1.20 g/cm³ at 20 °C
- Conductivity: Not available
- Solubility in water: Soluble in water
- Flammability: Not flammable
- Physical state: solid

SECTION 9: Physical and chemical properties (....)

- Flash point - not known
- Evaporation rate - not known
- Viscosity - not known

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity**10.1 Reactivity**

- Reacts with acid
- Reacts with strong oxidizing substances

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, light and moisture

10.5 Incompatible materials

- Avoid contact with acid
- Avoid contact with oxidising substances

10.6 Hazardous decomposition products

- No hazardous decomposition products known
-

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Estimated LD₅₀ (oral) (ATE) : 1913.07 mg/kg
Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg
Estimated LC₅₀ (inhalational) (ATE) : >5 mg/l/4hr (dust/mist)

Disodium carbonate, compound with hydrogen peroxide

LD₅₀ (dermal, rabbit): > 2000 mg/kg
LD₅₀ (oral, rat): 1034 mg/kg
LD₅₀ (dermal) : 2001 mg/kg

Sodium carbonate

LD₅₀ (oral, rat): 2800 mg/kg
LD₅₀ (dermal) : 2000 mg/kg
LC₅₀ (inhalation, rat): 2300 mg/l
LD₅₀ (dermal, rabbit): > 2000 mg/kg

Skin corrosion/irritation

Causes severe burns

Serious eye damage/irritation

SECTION 11: Toxicological information (....)

Causes serious eye damage.

Respiratory or skin sensitisation

Not available

Germ cell mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Not available

STOT (specific target organ toxicity) - single exposure

Not available

STOT (specific target organ toxicity) - repeated exposure

Not available

Aspiration hazard

Not available

11.2 Information on other hazards

- No information available

SECTION 12: Ecological information**12.1 Toxicity****Sodium metasilicate pentahydrate**

EC₅₀ (daphnia): 1700 mg/l (48 hr)

LC₅₀ (fish): 210 mg/l (96 hr)

EC₅₀ (daphnia): 1700 mg/l (48 hr)

LC₅₀ (fish): 210 mg/l (96 hr)

Disodium carbonate, compound with hydrogen peroxide

EC₅₀ (daphnia): 4.9 mg/l (48 hr)

LC₅₀ (fish): 70.2 mg/l (96 hr)

EC₅₀ (daphnia): 4.9 mg/l (48 hr)

LC₅₀ (fish): 70.2 mg/l (96 hr)

Sodium carbonate

EC₅₀ (daphnia): 265 mg/l (48 hr)

LC₅₀ (fish): 300 mg/l (96 hr)

EC₅₀ (daphnia): 265 mg/l (48 hr)

LC₅₀ (fish): 300 mg/l (96 hr)

12.2 Persistence and degradability

- Not readily biodegradable

12.3 Bioaccumulative potential

SECTION 12: Ecological information (....)

- No information available

12.4 Mobility in soil

- Soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- None known

12.7 Other adverse effects

- No information available
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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation
 - Dispose of contents/container to an authorised waste collection point
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SECTION 14: Transport information**Corrosive****14.1 UN number or ID number**

- UN No.: 3262

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE PENTAHYDRATE)

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- None assigned

14.6 Special precautions for user

- ADR Classification Code: C6
- Tunnel Bulk Restriction Codes: D
- Identification Number: 80
- IMDG EmS: F-A, S-B
- Tunnel Restriction Code: (E)

14.7 Emergency Action Code

- 2X

14.8 Maritime transport in bulk according to IMO instruments

SECTION 14: Transport information (....)

- Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-
H272: May intensify fire; oxidiser. H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H412: Harmful to aquatic life with long lasting effects.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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